Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/01/2019 02:16 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123753	-1	1.74	123828	1.73
Blue	F	SSC	125000	123036	-2	1.57	123827	1.55
Blue	E	FITC	16122	15558	-4	2.83	338	20.13
Blue	D	PE	29316	28629	-3	2.04	624	14.54
Blue	B	PerCP-Cy5-5	42590	42000	-2	3.75	1137	20.15
Blue	A	PE-Cy7	33146	33170	0	6.15	629	40.94
Red	C	APC	45473	44858	-2	2.49	1579	12.51
Red	A	APC-Cy7	31961	30910	-4	2.45	814	12.01
Violet	B	V450	7914	7537	-5	4.30	424	12.99
Violet	A	V500	29769	28858	-4	4.02	670	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20919	4.00	606	6	N/A	N/A	Pass
Blue	F	SSC	55840	1.10	551	13	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0206	186	Pass
Blue	D	PE	131	48.27	542	5	0.1649	256	Pass
Blue	B	PerCP-Cy5-5	205	49.79	647	9	0.0092	54	Pass
Blue	A	PE-Cy7	116	101.44	701	10	0.0109	15	Pass
Red	C	APC	375	25.58	588	9	0.0224	87	Pass
Red	A	APC-Cy7	180	29.65	564	8	0.0057	1399	Pass
Violet	B	V450	65	58.01	467	7	0.0525	2028	Pass
Violet	A	V500	101	33.57	479	7	0.0209	638	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.61	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.39	13.60 - 20.40	N/A	N/A	29.23	29.66	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12592

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments